

Title (en)

Apparatus and method for receiving control information over a packet data control channel in a mobile communication system

Title (de)

Vorrichtung und Verfahren zum Empfang von Kontrollinformationen über einen Paketdatenkontrollkanal in einem mobilen Übertragungssystem

Title (fr)

Appareil et procédé de réception de données sur un canal de commande en mode paquet dans un système de communication mobile

Publication

**EP 1349313 A1 20031001 (EN)**

Application

**EP 03006823 A 20030327**

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- KR 20020061590 A 20021009

Abstract (en)

An apparatus and method for receiving control information transmitted from a transmitter using one of a plurality of slot lengths in a high-speed packet transmission mobile communication system is provided. The apparatus and method includes a decoder adapted to receive symbols by the slot, and generate at least one bit stream by decoding as many symbols of at least one possible slot length among a plurality of slot lengths according to a previous decoding result. An error checker adapted to perform error checking on the bit stream from the decoder. A controller is adapted to provide symbols of one more consecutive slot to the decoder, if the error checking failed, and acquire control information from the error checking-passed bit stream, if the error check passed. The decoder is further adapted to output at least one frame quality metric for the bit stream along with the bit stream. If the number of error checking-passed bit streams is larger than or equal to 2, the controller compares frame quality metrics for the bit streams and selects one bit stream having the maximum frame quality metric in order to acquire the control information. <IMAGE>

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**H04L 1/00**

IPC 8 full level

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Citation (search report)

- [X] WO 9914885 A2 19990325 - NOKIA MOBILE PHONES LTD [FI], et al
- [X] WO 0152467 A1 20010719 - QUALCOMM INC [US]
- [A] EP 0763902 A1 19970319 - NOKIA MOBILE PHONES LTD [FI]
- [A] WO 0124465 A1 20010405 - ERICSSON TELEFON AB L M [SE]

Cited by

AU2004306054B2; US7555069B2; US9118480B2; WO2005032015A1; WO2011014738A3

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